

AD-A195 832

KINETIC ENERGY FINNED PROJECTILE AERODYNAMIC HEATING
MEASUREMENTS (U) DEUTSCHE FORSCHUNGSANSTALT FUER LUFT-
UND RAUMFAHRT E U DRUNS. H. SCHOELLER 14 APR 87

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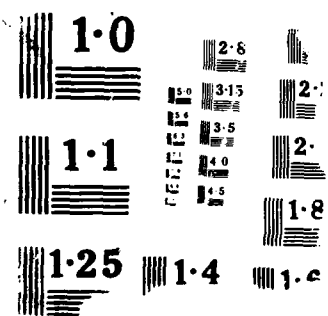
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für Luft- und Raumfahrt e.V.

Institute for Experimental Fluid Mechanics

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April 14, 1987

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R & D 5810-AN-01

Contract DAJA 45-87-C-0046

Title: "Kinetic Energy Finned Projectile Aerodynamic Heating Measurements"

Second Interim Report

Designing of the models is finished.

A sketch of the models is shown in Fig. 1, all dimensions are given in mm.

Machining initially planned for March, has been shifted for priority reasons in the metal shop, and is now due in May.

→ Three forebodies (Fig. 2) can be screwed to the model or, for observation of the nose region, to a short sting mounted in the model support of the Ludwig tube. The fins will be glued into slits in the main support sting. All parts except the two stings will be machined from Plexiglas®.

Due to windtunnel occupancy the first testing on the model cannot start before September 1988.

H. Schöler
(Principle Investigator)

H.-P. Kreplin
(Associate Investigator)

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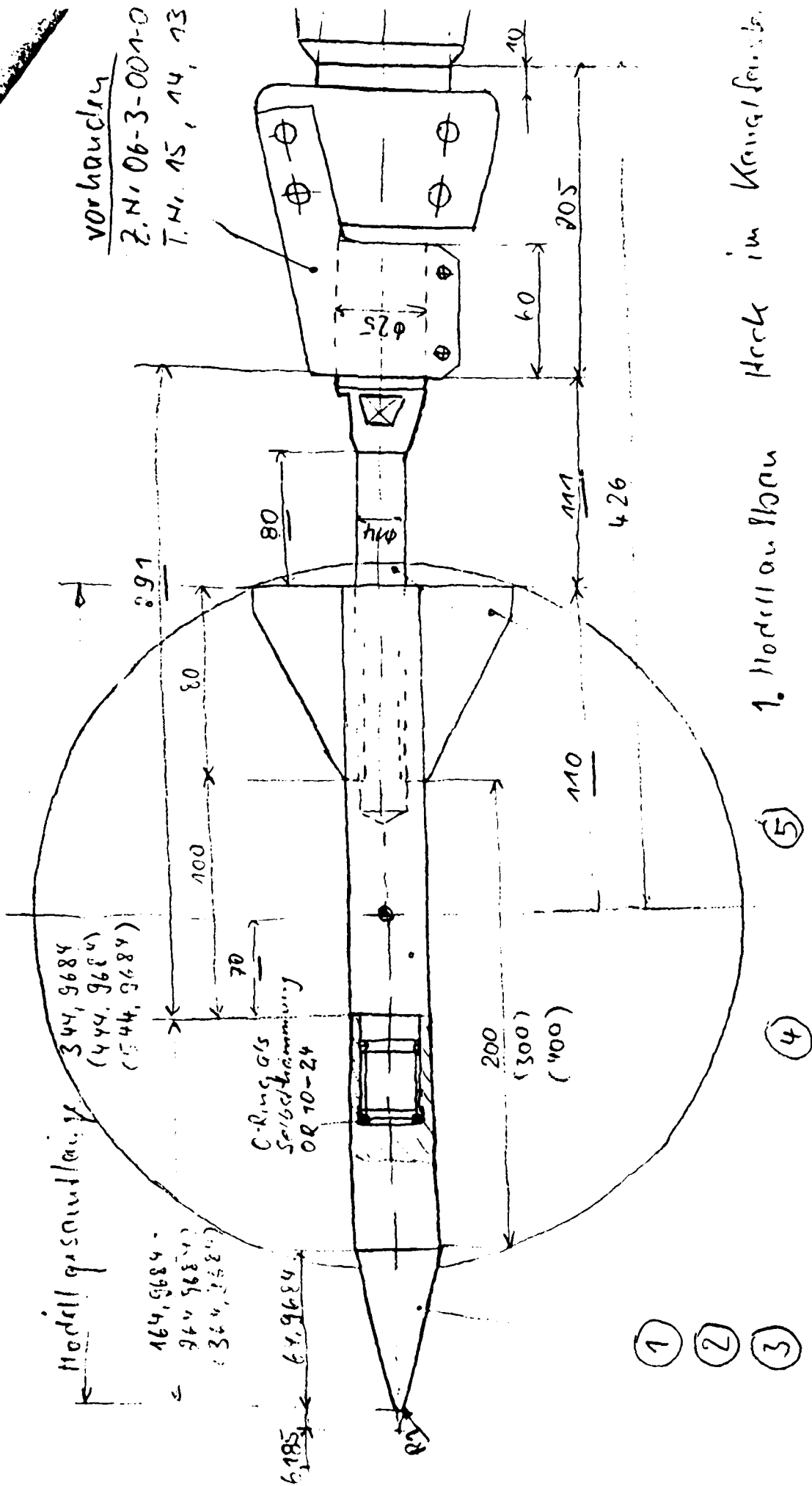
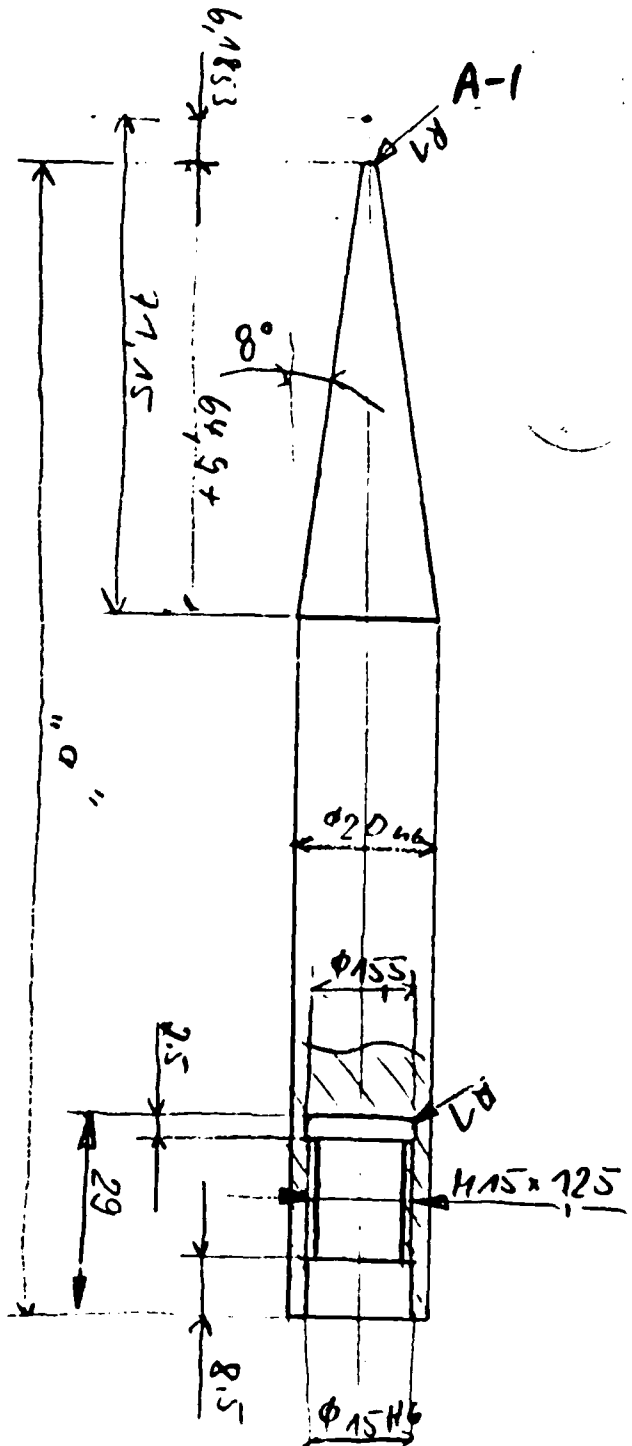


Figure 1

schm.

form 50 on file



Teil Nr.	Maß "0"
1	164,97
2	264,97
3	364,97

Figure 2

Werkstoff:
 Plexiglas schwarz
 Teile n. 1 ÷ 3

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